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| PTO-1449   | Application No. |                | Applicant(s)            |  |
|  | 09/724,603      |                | A.J. Paul Carew, et al. |  |
|  | Docket Number   | Group Art Unit | Filing Date             |  |
| Information Disclosure Citation<br>In an Application | 066303.0163     | 2666           | RECEIVED 28, 2000       |  |

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|   | DOCUMENT NO. | DATE     | NAME           | CLASS | Technology Center | FILING DATE |
|---|--------------|----------|----------------|-------|-------------------|-------------|
| A | 4,381,427    | 04/26/83 | Cheal et al.   | 179   | 2 DP              | 06/16/81    |
| B | 4,493,092    | 01/08/85 | Adams          | 375   | 36                | 12/17/82    |
| C | 4,507,793    | 03/26/85 | Adams          | 375   | 36                | 12/17/82    |
| D | 4,512,025    | 04/16/85 | Frankel et al. | 375   | 36                | 11/23/82    |
| E | 4,578,537    | 03/25/86 | Faggin et al.  | 179   | 2 DP              | 08/05/83    |
| F | 4,608,686    | 08/26/86 | Barsellotti    | 370   | 69.1              | 09/23/82    |
| G | 4,627,046    | 12/02/86 | Bellamy        | 370   | 58                | 04/26/84    |
| H | 4,740,963    | 04/26/88 | Eckley         | 370   | 110.1             | 01/30/86    |
| I | 4,748,656    | 05/31/88 | Gibbs et al.   | 379   | 93                | 03/21/86    |
| J | 4,853,949    | 08/01/89 | Schorr et al.  | 379   | 2                 | 03/24/88    |
| K | 4,881,226    | 11/14/89 | Lechner et al. | 370   | 110.1             | 01/25/88    |
| L | 4,903,292    | 02/20/90 | Dillon         | 379   | 93                | 11/01/88    |

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|   | DOCUMENT NO.   | DATE     | COUNTRY | CLASS | SUBCLASS | TRANSLATION |    |
|---|----------------|----------|---------|-------|----------|-------------|----|
|   |                |          |         |       |          | YES         | NO |
| M | WO97/23078     | 26/06/97 | PCT     | H04L  | 12/56    | X           |    |
| N | EP0 841 831 A2 | 13/05/98 | EPO     | H04Q  | 11/04    | X           |    |
| O |                |          |         |       |          |             |    |
| P |                |          |         |       |          |             |    |
| Q |                |          |         |       |          |             |    |

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|---|---|----------|
| R | Gudapati, et al., "Local Telephone Service for Cable Subscribers Using Packet Switched Access," ISS. World Telecommunications Congress, pp. 325-329 | 09/21/97 |
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6-22-04

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|  |                 |                |                         |                   |
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| PTO-1449   | Application No. |                | Applicant(s)            |                   |
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| Information Disclosure Citation<br>In an Application |                 | 066303.0163    | 2666                    | November 28, 2000 |

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|    |   | DOCUMENT NO. | DATE     | NAME             | CLASS | SUBCLASS | FILING DATE |
|----|---|--------------|----------|------------------|-------|----------|-------------|
| DM | A | 5,033,062    | 07/16/91 | Morrow et al.    | 375   |          | 08/10/89    |
| DM | B | 5,034,948    | 07/23/91 | Mizutani et al.  | 370   | 79       | 08/22/89    |
| DM | C | 5,042,028    | 08/20/91 | Ogawa            | 370   | 58.2     | 08/28/89    |
| DM | D | 5,127,003    | 06/30/92 | Doll, Jr. et al. | 370   | 110.1    | 02/11/91    |
| DM | E | 5,134,611    | 07/28/92 | Steinka et al.   | 370   | 79       | 09/30/88    |
| DM | F | 5,142,568    | 08/25/92 | Ogata et al.     | 379   | 100      | 10/29/90    |
| DM | G | 5,142,571    | 08/25/92 | Suzuki et al.    | 379   | 279      | 05/21/91    |
| DM | H | 5,151,923    | 09/29/92 | Fujiwara         | 375   | 5        | 06/27/89    |
| DM | I | 5,216,704    | 06/01/93 | Williams et al.  | 379   | 93       | 06/12/91    |
| DM | J | 5,220,560    | 06/15/93 | Ogasawara        | 370   | 79       | 01/17/91    |
| DM | K | 5,267,300    | 11/30/93 | Kao et al.       | 379   | 93       | 10/07/91    |
| DM | L | 5,305,312    | 04/19/94 | Fornek et al.    | 370   | 62       | 02/07/92    |

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| A | 5,317,627    | 05/31/94 | Richardson, Jr. et al. | 379   | 88       | 05/31/94    |
| B | 5,349,640    | 09/20/94 | Dunn et al.            | 379   | 387      | 06/24/93    |
| C | 5,410,343    | 04/25/95 | Coddington et al.      | 348   | 7        | 04/02/93    |
| D | 5,426,692    | 06/20/95 | Fujise                 | 379   | 93       | 07/08/93    |
| E | 5,448,635    | 09/05/95 | Biehl et al.           | 379   | 399      | 06/30/93    |
| F | 5,459,788    | 10/17/95 | Kim                    | 379   | 399      | 11/14/94    |
| G | 5,473,675    | 12/05/95 | Chapman et al.         | 379   | 93       | 11/12/93    |
| H | 5,479,447    | 12/26/95 | Chow et al.            | 375   | 260      | 05/03/93    |
| I | 5,499,241    | 03/12/96 | Thompson et al.        | 370   | 73       | 09/17/93    |
| J | 5,535,198    | 07/09/96 | Baker et al.           | 370   | 60       | 06/03/94    |
| K | 5,604,737    | 02/18/97 | Iwami et al.           | 370   | 352      | 12/13/94    |
| L | 5,610,992    | 03/11/97 | Balatoni               | 370   | 468      | 03/20/95    |

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|   |              |      |         |       |          | YES         | NO |
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|  |                 |                |                         |  |
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| PTO-1449   | Application No. |                | Applicant(s)            |  |
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| Information Disclosure Citation<br>In an Application | 066303.0163     | 2666           | November 28, 2000       |  |

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|    |   | DOCUMENT NO. | DATE      | NAME              | CLASS | SUBCLASS | FILING DATE |
|----|---|--------------|-----------|-------------------|-------|----------|-------------|
| 9M | A | 5,617,423    | 04/01/97  | Li et al.         | 370   | 426      | 07/07/94    |
| DM | B | 5,625,685    | 04/29/97  | Allegranza et al. | 379   | 399      | 01/26/95    |
| 9M | C | 5,638,363    | 06/10/a97 | Gittins et al.    | 370   | 358      | 07/27/95    |
| 9M | D | 5,661,785    | 08/26/97  | Carpenter et al.  | 379   | 93.15    | 04/12/96    |
| 9M | E | 5,668,857    | 09/16/97  | McHale            | 379   | 93.07    | 03/29/96    |
| 9M | F | 5,671,251    | 09/23/97  | Blackwell et al.  | 375   | 222      | 02/28/95    |
| 9M | G | 5,673,290    | 09/30/97  | Cioffi            | 375   | 260      | 06/07/95    |
| 9M | H | 5,675,575    | 10/07/97  | Wall, Jr. et al.  | 370   | 326      | 04/14/95    |
| 9M | I | 5,719,870    | 02/17/98  | Baker et al.      | 370   | 463      | 10/17/95    |
| DM | J | 5,737,333    | 04/07/98  | Civanlar et al.   | 370   | 352      | 06/23/95    |
| 9M | K | 5,771,236    | 06/23/98  | Sansom et al.     | 370   | 458      | 09/10/96    |
| 9M | L | 5,781,547    | 07/14/98  | Wilson            | 370   | 395      | 02/29/96    |

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|  | Docket Number   | Group Art Unit | Filing Date             |  |
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|----|---|--------------|----------|-------------------|-------|----------|--|
|    |   |              |          |                   |       |          | RECEIVED<br>FEB 6 - 2001<br>Technology Center 2600 |
| DM | A | 5,781,617    | 07/14/98 | McHale et al.     | 379   | 93.14    | 01/10/97   |
| DM | B | 5,787,088    | 07/28/98 | Dagdeviren et al. | 370   | 493      | 11/13/95   |
| DM | C | 5,828,666    | 10/27/98 | Focsaneanu et al. | 370   | 389      | 03/06/97   |
| DM | D | 5,838,682    | 11/17/98 | Dekelbaum et al.  | 370   | 401      | 11/28/95   |
| DM | E | 5,841,840    | 11/24/98 | Smith et al.      | 379   | 93.01    | 12/23/96   |
| DM | F | 5,848,150    | 12/08/98 | Bingel            | 379   | 399      | 02/26/97   |
| DM | G | 5,864,747    | 01/26/99 | Clark et al.      | 455   | 3.2      | 08/22/96   |
| DM | H | 5,881,142    | 03/09/99 | Frankel et al.    | 379   | 167      | 07/18/95   |
| DM | I | 5,883,941    | 03/16/99 | Akers             | 379   | 93.08    | 11/08/96   |
| DM | J | 5,889,773    | 03/30/99 | Stevenson, III    | 370   | 352      | 12/31/96   |
| DM | K | 5,889,856    | 03/30/99 | O'Toole et al.    | 379   | 399      | 05/22/97   |
| DM | L | 5,896,377    | 04/20/99 | Boot et al.       | 370   | 352      | 02/14/97   |

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|  |   | DOCUMENT NO. | DATE     | NAME                 | CLASS | SUBCLASS | FILED DATE |
|--|---|--------------|----------|----------------------|-------|----------|------------|
|  | A | 5,898,761    | 04/27/99 | McHale et al.        | 379   | 93.5     | 10/97      |
|  | B | 5,901,205    | 05/04/99 | Smith et al.         | 379   | 93.01    | 10/20/97   |
|  | C | 5,905,781    | 05/18/99 | McHale et al.        | 379   | 93.14    | 03/28/97   |
|  | D | 5,917,814    | 06/29/99 | Balaton              | 370   | 352      | 03/20/95   |
|  | E | 5,940,479    | 08/17/99 | Guy et al.           | 379   | 93.01    | 10/01/96   |
|  | F | 5,943,404    | 08/24/99 | Sansom et al.        | 379   | 93.06    | 07/10/95   |
|  | G | 5,978,390    | 11/02/99 | Balaton              | 370   | 540      | 09/05/97   |
|  | H | 5,999,565    | 12/07/99 | Locklear, Jr. et al. | 375   | 222      | 10/15/97   |
|  | I | 5,999,598    | 12/07/99 | Henrick et al.       | 379   | 93.07    | 08/11/97   |
|  | J | 6,075,784    | 06/13/00 | Frankel et al.       | 370   | 356      | 07/09/98   |
|  | K |              |          |                      |       |          |            |
|  | L |              |          |                      |       |          |            |

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| EXAMINER<br><i>Sunder Lal Mehra</i> | DATE CONSIDERED<br><i>6.22.04</i> |
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PTO-1449

Application No.

Applicant(s)

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A. J. Paul Carew, et al.

**Information Disclosure Citation  
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November 28, 2000

**U.S. PATENT DOCUMENTS**

| PATENT & TRADEMARK |   | DOCUMENT NO. | DATE     | NAME            | CLASS | SUBCLASS | FILING DATE |
|--------------------|---|--------------|----------|-----------------|-------|----------|-------------|
| JM                 | A | 4,504,942    | 03/12/85 | Aro et al.      | 370   | 58       | 04/22/82    |
| JM                 | B | 6,181,715    | 01/30/01 | Phillips et al. | 370   | 493      | 05/27/99    |
|                    | C |              |          |                 |       |          |             |
|                    | D |              |          |                 |       |          |             |
|                    | E |              |          |                 |       |          |             |
|                    | F |              |          |                 |       |          |             |
|                    | G |              |          |                 |       |          |             |
|                    | H |              |          |                 |       |          |             |
|                    | I |              |          |                 |       |          |             |
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|----|---|--------------|----------|---------|-------|----------|-------------|----|
|    |   |              |          |         |       |          | YES         | NO |
| JM | M | WO 97/37458  | 10/09/97 | PCT     | H04L  |          | X           |    |
| JM | N | WO 99/49608  | 09/30/99 | PCT     | H04L  |          | X           |    |
| JM | O | WO 01/06720  | 01/21/01 | PCT     | H04Q  | 11/04    | X           |    |
|    | P |              |          |         |       |          |             |    |
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|----|---|---|------------|
| JM | R | PCT International Search Report, 7 pages                        | 02/05/2001 |
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| 9m | A | 5,613,069    | 03/18/97 | Walker     | 395   | 200.15   | 12/16/94    |
| 9m | B | 5,949,763    | 09/07/99 | Lund       | 370   | 261      | 07/17/97    |
| 9m | C | 6,081,517    | 06/27/00 | Liu et al. | 370   | 352      | 09/22/97    |
| 9m | D | 6,130,879    | 10/10/00 | Liu        | 370   | 230      | 09/22/97    |
|    | E |              |          |            |       |          |             |
|    | F |              |          |            |       |          |             |
|    | G |              |          |            |       |          |             |
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|    |   |                |            |                |       |          | YES         | NO |
| 9m | K | GB 2313979 A   | 10/12/1997 | United Kingdom | H04M  | 11/06    | X           |    |
| 9m | L | WO 01/13593 A1 | 22/02/2001 | PCT            | H04L  | 12/46    | X           |    |
| 9m | M | WO 01/13618 A1 | 22/02/2001 | PCT            | H04M  | 11/06    | X           |    |
|    | N |                |            |                |       |          |             |    |
|    | O |                |            |                |       |          |             |    |

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|----|---|---|---------------|
| 9m | P | L. Van Hauwermeiren, et al., "Offering Video Services over Twisted Pair Cables to the Residential Subscriber by means of an ATM based ADSL Transmission System," ISS Symposium, Vol. 1, 5 pages | April 1995    |
| 9m | Q | T.C. Kwok, "Residential Broadband Architecture Over ADSL and G.Lite (G.992.2): PPP Over ATM," XP-000830885, IEEE Communication Magazine, 6 pages  | May 1999      |
| 9m | R | Notification of Transmittal of the International Search Report or the Declaration, 7 pages  | May 2, 2001   |
| 9m | S | Notification of Transmittal of the International Search Report or the Declaration, 7 pages  | June 29, 2001 |

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PTO-1449

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in an Application**

Docket Number

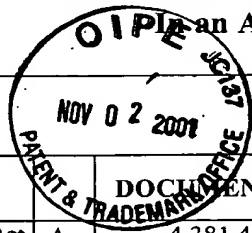
Group Art Unit

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2681-2666

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U.S. PATENT AND TRADEMARK OFFICE

PTO-1449

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| PTO-1449   |  | Application No. |                | Applicant(s)            |  |
| Information Disclosure Citation<br>in an Application |  | 09/724,603      |                | A.J. Paul Carew, et al. |  |
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